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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09-870,534	05/31/2001	Kamalesh K. Srivastava	FIS920000349US1	1332

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INTERNATIONAL BUSINESS MACHINES CORPORATION
DEPT. 18G
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EXAMINER
UMEZ ERONINI, LYNETTE T

ART UNIT	PAPER NUMBER
1765	J

DATE MAILED: 06/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action	Application No.	Applicant(s)
	09/870,534	SRIVASTAVA ET AL
	Examiner	Art Unit
	Lynette T. Umez-Eronini	1765

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

THE REPLY FILED 02 June 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) The period for reply expires _____ months from the mailing date of the final rejection.
- b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. The proposed amendment(s) will not be entered because:
 - (a) they raise new issues that would require further consideration and/or search (see NOTE below);
 - (b) they raise the issue of new matter (see Note below);
 - (c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 - (d) they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____

3. Applicant's reply has overcome the following rejection(s): _____.
4. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: none.

Claim(s) objected to: none.

Claim(s) rejected: 1-12, 14 and 15.

Claim(s) withdrawn from consideration: 13.

8. The proposed drawing correction filed on _____ is a) approved or b) disapproved by the Examiner.

9. Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.

10. Other: _____

Continuation of 5. does NOT place the application in condition for allowance because:

Applicant argues that that since Erk is directed to etching bare silicon wafers and not etching a film having a plurality of solder bumps, then Erk would be inapplicable to improving the uniformity of etching of a film having a plurality of solder bumps as claimed by Applicants. Applicant further argues that a method of etching a wafer having solder bumps as taught by Datta fails to suggest the problem found by Applicant of nonuniform etching nor suggest a method of etching by any other method than dip etching in a cassette-type etching process.

Applicant's arguments are unpersuasive because it has been acknowledged that Erk teaches an article is immersed, rotated in, and removed from a tank of etchant; Erk differs in failing to teach etching a film having a plurality of solder bumps on an article; and Datta is relied upon to teach an article have a plurality of solder bumps. It is the examiner's position that it would have been obvious to one having ordinary skill in the art at the time of the claimed invention to modify Erk's semiconductor wafer (article) by using an article having solder bumps in the same manner as taught in the claimed invention for the purpose of allowing economical production with simple throughput cassette-type etching process" (Datta, column 7, lines 44-46). Further, since Erk in view of Datta use the same steps and film layer as those of the claimed invention, then combining Erk and Datta would result in a method of improving the uniformity of etching of a film on an article as in the present invention..

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